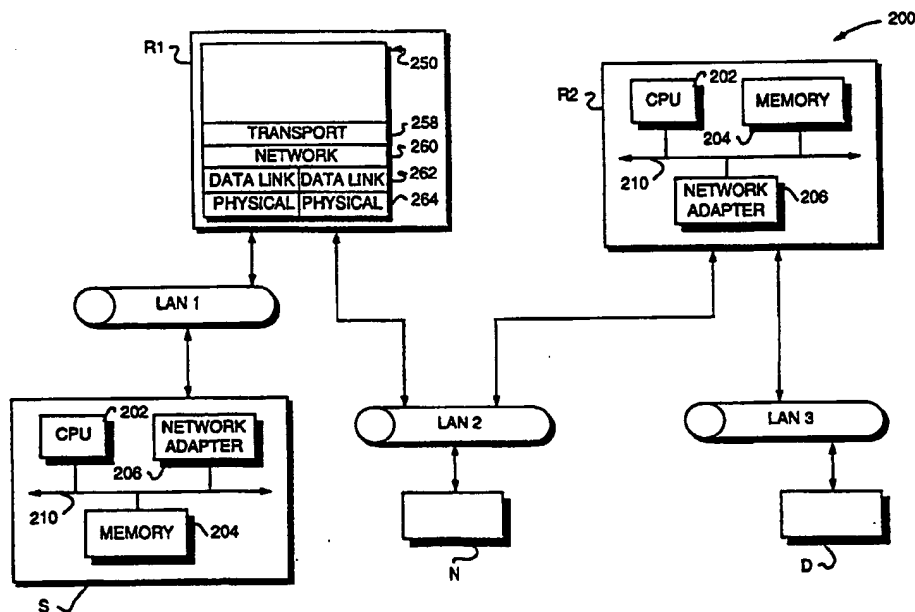




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(71) Applicant: NOVELL, INC. [US/US]; 1555 North Technology Way, Orem, UT 84057 (US).		Published With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.	
(72) Inventors: PERLMAN, Radia, J.; 10 Huckleberry Lane, Acton, MA 01720 (US). CASTAGNOLI, Neal, D.; 15910 Oakridge Road, Morgan Hill, CA 95037 (US).			
(74) Agents: BARBAS, Charles, J. et al.; Cesari and McKenna, 30 Rowes Wharf, Boston, MA 02110 (US).			

(54) Title: NETWORK ADDRESSING ARRANGEMENT FOR BACKWARD COMPATIBLE ROUTING OF AN EXPANDED ADDRESS SPACE



(57) Abstract

An improved network addressing arrangement expands both the format of a network layer header and the address spaces of nodes coupled to computer networks in a manner that efficiently enhances routing among nodes of different domains of the networks. Specifically, the novel arrangement provides new elements to a conventional hierarchical network layer address and modifies existing elements, i.e., destination network and socket numbers, of that address to effectively create an improved network layer header.